

PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q79228

Masahiro FUJIWARA, et al.

Appln. No.: CIP of U.S. Appln. No. 10/421,697

Group Art Unit: 1772

Confirmation No.: 5603

Examiner: Unknown

Filed: January 22, 2004

For: MESOPOROUS INORGANIC MATERIALS HAVING CONTROLLED-RELEASE
ON-OFF CONTROL FUNCTION, PRODUCTION METHOD THEREOF AND
METHOD USING SAME

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §§ 1.97 and 1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 CFR §1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form which are all the references of record in parent application No. 10/421,697. Applicant is not submitting duplicate copies of these references but requests that they be listed on the face of any patent granted on the above application. (See 37 CFR §1.98(d)). Copies of any cited copending applications, if not previously submitted, are being submitted herewith.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §§ 1.97 and 1.98
Appln. No.: CIP of U.S. Appln. No. 10/421,697

Attorney Docket No.: Q79228

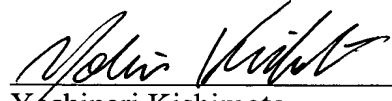
Respectfully submitted,

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WASHINGTON OFFICE

23373

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Date: January 22, 2004

Substitute for Form 1449 A & B/PTO <u>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</u> <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	CIP of U.S. Appln. No. 10/421,697
				Confirmation Number	5603
				Filing Date	January 22, 2004
				First Named Inventor	Nawal Kishor MAL
				Art Unit	1772
				Examiner Name	Unknown
Sheet	1	of	1	Attorney Docket Number	Q79228

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US 5,026,342		06/25/1991	HAMMERSTEDT ROY H ET AL

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
		WO	00 51724		09/08/2000	THE PRODTER & GAMBLE	
		WO	99 36357		07/22/1999	DREXEL UNIVERSITY	
		DE	100 21 165 A		11/08/2001	HENKEL KGAA	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
		EP Search Report completed 08/25/2003 for App. No. EP 03 25 2709	
		DATABASE EMBASE 'Online! ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL; 08/07/1999 ZHAO X S ET AL: "A novel method for tailoring the pore-opening size of MCM-41 materials" Database accession no. EMB-1999278125 XP002251458 *abstract* & CHEMICAL COMMUNICATIONS 08/07/1999 UNITED KINGDOM, vol. 5, no. 15, 08/07/1999, p.p. 1391-1392 ISSN: 1359-7345	
		VALLET-REGI M ET AL: "A NEW PROPERTY OF MCM-41: DRUG DELIVERY SYSTEM" CHEMISTRY OF MATERIALS, AMERICAN CHEMICAL SOCIETY, WASHINGTON, US, vol. 13, no. 2, 02/01/2001, p.p. 308-311, XP00105172 ISSN: 0897-4756 *the whole document*	
		DATABASE MEDLINE 'Online! US NATIONAL LIBRARY OF MEDICINE (NLM), BETHESDA, MD, US; 01/23/2003 MAL NAWAL KISHOR ET AL: "Photocontrolled reversible release of guest molecules from coumarin-modified mesoporous silica." Database accession no. NLM12540896 XP002251459 *abstract* & NATURE. ENGLAND 01/23/2003, vol. 421, no. 6921, 01/23/2003, p.p. 350-353, ISSN: 0028-0836	
		DATABASE BIOSIS "Online! BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; 04/16/2003 LAI CHENG-YU ET AL: "A mesoporous silica nanosphere-based carrier system with chemically removable CdS nanoparticle caps for stimuli-responsive controlled release of neurotransmitters and drug molecules>" Database accession no. PREV200300306683 XP002251460 *abstract* & JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, vol. 125, no. 15, 04/16/2003, p.p. 4451-4459, ISSN: 0002-7863	
		B. MUNOZ: "MCM-41 Organic Modification as drug delivery rate regulator" CHEMISTRY OF MATERIALS, AMERICAN CHEMICAL SOCIETY, vol. 15, 2003, p.p. 500-503, XP002251472 WASHINGTON, US *the whole document*	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to indicate here if English language Translation is attached.